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<b>TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371</b>		ATTORNEY'S DOCKET NUMBER 1866-6642US U.S. APPLICATION NO. (If known, see 37 CFR 1.5) <b>10/509010</b>
INTERNATIONAL APPLICATION NO. PCT/AU03/00380	INTERNATIONAL FILING DATE 27 March 2003 (27.03.2003)	PRIORITY DATE CLAIMED 27 March 2002 (27.03.2002)
TITLE OF INVENTION ENGINE FOR CONVERTING THERMAL ENERGY TO STORED ENERGY		
APPLICANT(S) FOR DO/EO/US Richard Laurance LEWELLIN		
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
<p>1. <input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a submission under 35 U.S.C. 371.</p> <p>2. <input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a submission under 35 U.S.C. 371.</p> <p>3. <input type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.</p> <p>4. <input checked="" type="checkbox"/> The US has been elected (Article 31).</p> <p>5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2))</p> <p style="margin-left: 20px;">a. <input type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau).</p> <p style="margin-left: 20px;">b. <input checked="" type="checkbox"/> has been communicated by the International Bureau.</p> <p style="margin-left: 20px;">c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).</p> <p>6. <input type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).</p> <p style="margin-left: 20px;">a. <input type="checkbox"/> is attached hereto.</p> <p style="margin-left: 20px;">b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).</p> <p>7. <input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))</p> <p style="margin-left: 20px;">a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau).</p> <p style="margin-left: 20px;">b. <input type="checkbox"/> have been communicated by the International Bureau.</p> <p style="margin-left: 20px;">c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</p> <p style="margin-left: 20px;">d. <input type="checkbox"/> have not been made and will not be made.</p> <p>8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).</p> <p>9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).</p> <p>10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).</p> <p><b>Items 11 to 20 below concern document(s) or information included:</b></p> <p>11. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.</p> <p>12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.</p> <p>13. <input checked="" type="checkbox"/> A preliminary amendment.</p> <p>14. <input type="checkbox"/> An Application Data Sheet under 37 CFR 1.76.</p> <p>15. <input type="checkbox"/> A substitute specification.</p> <p>16. <input type="checkbox"/> A power of attorney and/or change of address letter.</p> <p>17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821- 1.825.</p> <p>18. <input checked="" type="checkbox"/> A second copy of the published International Application under 35 U.S.C. 154(d)(4).</p> <p>19. <input type="checkbox"/> A second copy of the English language translation of the International Application under 35 U.S.C. 154(d)(4).</p> <p>20. <input checked="" type="checkbox"/> Other items or information: <b>Communication</b></p>		

This collection of information is required by 37 CFR 1.414 and 1.491-1.492. The information is required to obtain or retain a benefit by the public, which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 15 minutes to complete, including gathering information, preparing, and submitting the completed form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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U.S. APPLICATION NO. (if known, see 37 CFR 1.5) <div style="font-size: 2em; font-weight: bold; text-align: center;">10/509010</div>		INTERNATIONAL APPLICATION NO. PCT/AU03/00380		ATTORNEY'S DOCKET NUMBER 1866-6642US					
21. <input checked="" type="checkbox"/> The following fees are submitted: <b>BASIC NATIONAL FEE (CFR 1.492(a)(1)-(5)):</b> Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO ..... \$1080.00  International preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO ..... \$920.00  International preliminary examination fee (37 CFR 1.482) not paid to USPTO but international search fee (37 CFR 1.445(a)(2)) paid to USPTO ..... \$770.00  International preliminary examination fee (37 CFR 1.482) paid to USPTO but all claims did not satisfy provisions of PCT Article 33(1)-(4) ..... \$730.00  International preliminary examination fee (37 CFR 1.482) paid to USPTO and all claims satisfied provisions of PCT Article 33(1)-(4) ..... \$100.00 <div style="text-align: center; font-weight: bold;">ENTER APPROPRIATE BASIC FEE AMOUNT =</div>				<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="text-align: left;">CALCULATIONS</th> <th style="text-align: left;">PTO USE ONLY</th> </tr> <tr> <td style="height: 150px; vertical-align: bottom;"> <div style="text-align: right; font-weight: bold;">\$ 1080.00</div> </td> <td></td> </tr> </table>		CALCULATIONS	PTO USE ONLY	<div style="text-align: right; font-weight: bold;">\$ 1080.00</div>	
CALCULATIONS	PTO USE ONLY								
<div style="text-align: right; font-weight: bold;">\$ 1080.00</div>									
Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(e)).				<div style="text-align: right;">\$</div>					
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE	\$					
Total claims	20 - 20 =		X \$18.00	\$					
Independent claims	1 - 3 =		X \$86.00	\$					
MULTIPLE DEPENDENT CLAIM(S) (if applicable)				+ \$290.00 \$					
TOTAL OF ABOVE CALCULATIONS =				\$ 1080.00					
<input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.				\$ 540.00					
SUBTOTAL =				\$					
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(f)).				\$					
TOTAL NATIONAL FEE =				\$ 540.00					
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property				\$					
TOTAL FEES ENCLOSED =				\$ 540.00					
				Amount to be refunded:	\$				
				Amount to be charged:	\$				
a. <input checked="" type="checkbox"/> A check in the amount of \$ 540.00 to cover the above fees is enclosed. b. <input type="checkbox"/> Please charge my Deposit Account No. _____ in the amount of \$ _____ to cover the above fees. A duplicate copy of this sheet is enclosed. c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 20-1469. A duplicate copy of this sheet is enclosed. d. <input type="checkbox"/> Fees are to be charged to a credit card. <b>WARNING:</b> Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.									
<b>NOTE:</b> Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.									
SEND ALL CORRESPONDENCE TO: CUSTOMER NUMBER 24247 TRASK BRITT P.O. BOX 2550 SALT LAKE CITY, UT 84110									
<div style="text-align: center;">             SIGNATURE            ALLEN C. TURNER            NAME            33,041            REGISTRATION NUMBER         </div>									

10/509010

0109 Recd CT/PTO 24 SEP 2004  
PTO/SB/21 (08-00)Please type a plus sign (+) inside this box → ☐

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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**TRANSMITTAL  
FORM***(to be used for all correspondence after initial filing)*

Application Number

Filing Date

First Named Inventor

Richard L. Lewellin

Group Art Unit

Examiner Name

Attorney Docket Number

1866-6642US

**ENCLOSURES (check all that apply)**☒ Postcard receipt acknowledgment  
(attached to the front of this  
transmittal)☒ Duplicate copy of this transmittal  
sheet in the event that additional  
filing fees are required under  
37 C.F.R. § 1.16☒ TRANSMITTAL LETTER TO THE  
US DESIGNATED/ELECTED  
OFFICE (DO/EO/US)  
CONCERNING A SUBMISSION  
UNDER 35 U.S.C. 371 IN  
DUPLICATE; CHECK NO. 6685  
FOR \$540.00; DECLARATION (1  
PAGE); COMMUNICATION (2  
PAGES); COPY OF THE  
PUBLISHED INTERNATIONAL  
APPLICATION; PRELIMINARY  
AMENDMENT; INFORMATION  
DISCLOSURE STATEMENT WITH  
FORM PTO/SB/08

Remarks

**The Commissioner is authorized to charge any additional fees required but not  
submitted with any document or request requiring fee payment under 37 C.F.R. §§  
1.16 and 1.17 to Deposit Account 20-1469 during pendency of this application.****SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT**Firm or  
Individual name

Allen C. Turner

Registration No. 33,041

Signature

Date

September 24, 2004

**CERTIFICATE OF MAILING**Express Mail Label Number: EV326921415USDate of Deposit: September 24, 2004Person Making Deposit: Christopher Haughton

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.